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DATE: Thursday, April 13, 2006

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☐	L1	514/613.ccls.	438

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NEWS 4	DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/ USPAT2
NEWS 5	JAN 13	IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 6	JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS 7	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS 8	JAN 17	IPC 8 in the WPI family of databases including WPIFV
NEWS 9	JAN 30	Saved answer limit increased
NEWS 10	JAN 31	Monthly current-awareness alert (SDI) frequency added to TULSA
NEWS 11	FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
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NEWS 13	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS 14	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS 15	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 16	FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS 17	FEB 28	TOXCENTER reloaded with enhancements
NEWS 18	FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS 19	MAR 01	INSPEC reloaded and enhanced
NEWS 20	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 21	MAR 08	X.25 communication option no longer available after June 2006
NEWS 22	MAR 22	EMBASE is now updated on a daily basis
NEWS 23	APR 03	New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 24	APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL

NEWS EXPRESS   FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
               V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
               http://download.cas.org/express/v8.0-Discover/

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FILE 'HOME' ENTERED AT 13:55:24 ON 04 APR 2006

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 13:55:32 ON 04 APR 2006
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STRUCTURE FILE UPDATES: 3 APR 2006   HIGHEST RN 879121-98-9
DICTIONARY FILE UPDATES: 3 APR 2006   HIGHEST RN 879121-98-9

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****
*   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now   *
* available and contains the CA role and document type information. *
*   *
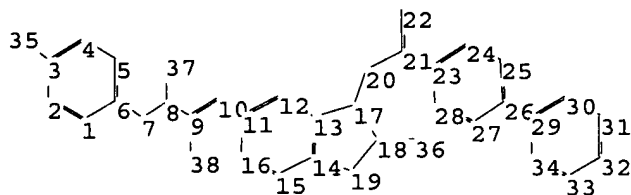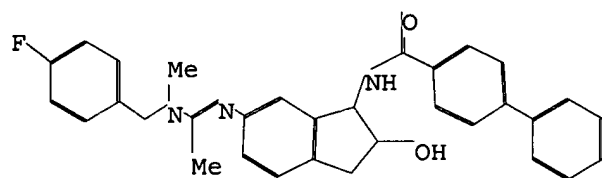***

Structure search iteration limits have been increased. See HELP SLIMITS
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REGISTRY includes numerically searchable data for experimental and
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experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10524960\Struc 1.str

10524960.trn

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chain nodes :
7  8  9  10  20  21  22  35  36  37  38
ring nodes :
1  2  3  4  5  6  11  12  13  14  15  16  17  18  19  23  24  25  26  27  28  29
30  31  32  33  34
chain bonds :
3-35   6-7   7-8   8-9   8-37   9-10   9-38   10-11   17-20   18-36   20-21   21-22   21-23
26-29
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   11-12   11-16   12-13   13-14   13-17   14-15   14-19
15-16   17-18   18-19   23-24   23-28   24-25   25-26   26-27   27-28   29-30   29-34   30-31
31-32   32-33   33-34
exact/norm bonds :
7-8   8-9   9-10   10-11   13-17   14-19   17-18   17-20   18-19   18-36   20-21   21-22
exact bonds :
3-35   6-7   8-37   9-38   21-23   26-29
normalized bonds :
1-2   1-6   2-3   3-4   4-5   5-6   11-12   11-16   12-13   13-14   14-15   15-16   23-24
23-28   24-25   25-26   26-27   27-28   29-30   29-34   30-31   31-32   32-33   33-34


Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:CLASS   8:CLASS   9:CLASS   10:CLASS
 11:Atom   12:Atom   13:Atom   14:Atom   15:Atom   16:Atom   17:Atom   18:Atom   19:Atom
20:CLASS   21:CLASS   22:CLASS   23:Atom   24:Atom   25:Atom   26:Atom   27:Atom   28:Atom
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38:CLASS
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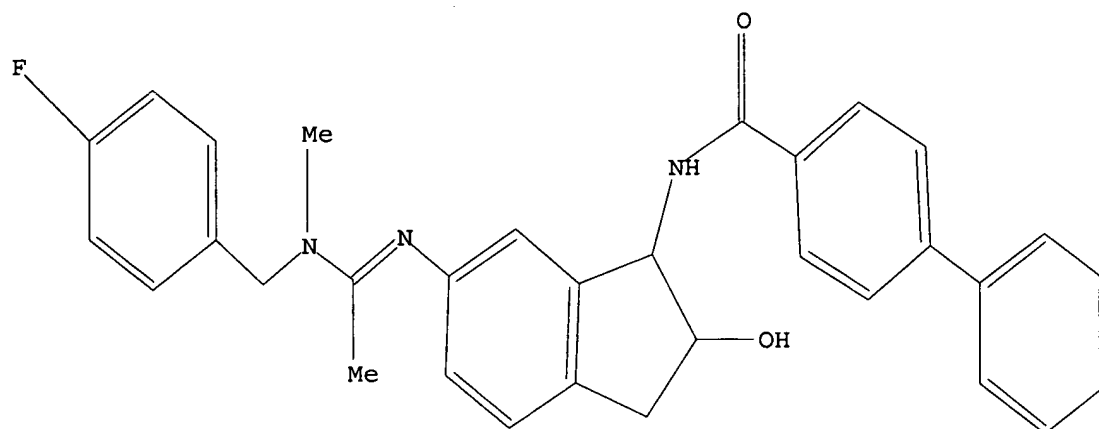
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L1        STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1                STR
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Structure attributes must be viewed using STN Express query preparation.

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=> l1
SAMPLE SEARCH INITIATED 13:55:49 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        3 TO ITERATE

100.0% PROCESSED        3 ITERATIONS                          3 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           3 TO        163
PROJECTED ANSWERS:              3 TO        163

L2              3 SEA SSS SAM L1

=> l1 exa
SAMPLE SEARCH INITIATED 13:55:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        2 TO ITERATE

100.0% PROCESSED        2 ITERATIONS                          0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           2 TO        124
PROJECTED ANSWERS:              0 TO          0

L3              0 SEA EXA SAM L1

=> l1 exa full
FULL SEARCH INITIATED 13:56:06 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -        41 TO ITERATE

100.0% PROCESSED        41 ITERATIONS                         1 ANSWERS
SEARCH TIME: 00.00.01

L4              1 SEA EXA FUL L1
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10524960.trn

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=> file medline caplus
COST IN U.S. DOLLARS                        SINCE FILE       TOTAL
                                              ENTRY         SESSION
FULL ESTIMATED COST                          56.54           56.75

FILE 'MEDLINE' ENTERED AT 13:56:11 ON 04 APR 2006

FILE 'CAPLUS' ENTERED AT 13:56:11 ON 04 APR 2006
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=> l4
L5              2 L4

=> d ibib abs hitstr 1-2
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L5    ANSWER 1 OF 2   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:           2004:182829   CAPLUS
DOCUMENT NUMBER:            140:217391
TITLE:                      Preparation of biphenyl-4-carboxylic acid
                            (R)-[6-[1-[(4-fluorobenzyl)methylamino]ethylideneamino
                            ]-2(R)-hydroxyindan-1-yl]amide hemihydrate as a
                            muscarinic agonist
INVENTOR(S):                Bush, Julie Kay; Heath, Perry Clark
PATENT ASSIGNEE(S):         Eli Lilly and Company, USA
SOURCE:                     PCT Int. Appl., 23 pp.
                            CODEN: PIXXD2
DOCUMENT TYPE:              Patent
LANGUAGE:                   English
FAMILY ACC. NUM. COUNT:     1
PATENT INFORMATION:

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    WO 2004018411          A1     20040304   WO 2003-US23260          20030812
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            CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
            GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
            LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
            PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
            TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
            KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
            FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
            BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
    CA 2493958             AA     20040304   CA 2003-2493958          20030812
    AU 2003256791          A1     20040311   AU 2003-256791           20030812
    EP 1534667             A1     20050601   EP 2003-792989           20030812
        R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
    BR 2003013161          A      20050614   BR 2003-13161            20030812
    JP 2005536549          T2     20051202   JP 2004-530846           20030812
PRIORITY APPLN. INFO.:                       US 2002-405443P      P   20020822
                                             WO 2003-US23260      W   20030812

GI
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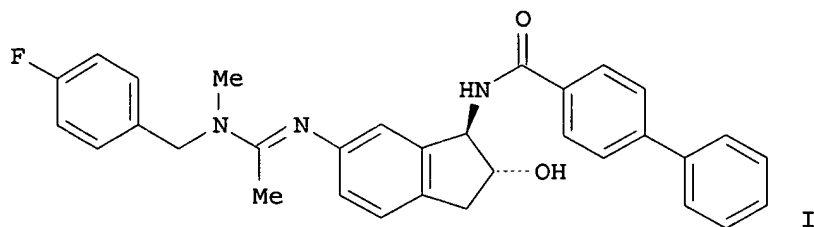
I

AB   The present invention provides crystalline biphenyl-4-carboxylic acid
     (R)-[6-[1-[(4-fluorobenzyl)methylamino]ethylideneamino]-2(R)-hydroxyindan-
     1-yl]amide (I) hemihydrate, pharmaceutical compns. thereof, methods of
     using the same in treating disorders associated with the muscarinic receptors
     such as cognitive disorders, Alzheimer's disease, and schizophrenia,
     processes for making the same, and processes for making intermediates
     thereof. Thus, amination of 1,2-epoxy-6-nitroindane by aqueous ammonia and
     optical resolution of the resulting (1R*,2R*)-1-amino-6-nitroindan-2-ol with
     (S)-(+)-mandelic acid in MeOh gave (1R,2R)-1-amino-6-nitroindan-2-ol
     (S)-mandelate which was treated with a mixture of aqueous NaOh and toluene and
     underwent amidation with 4-biphenylcarbonyl chloride to give
     biphenyl-4-carboxylic acid [(1R,2R)-6-nitro-2-hydroxyindan-1-yl]amide
     (II). Hydrogenation of II over 10% Pd-C in DMF under H pressure of 50 psi
     for 19 h gave biphenyl-4-carboxylic acid [(1R,2R)-6-amino-2-hydroxyindan-1-
     yl]amide which was condensed with 1-methylthioethanone
     N-(4-fluorobenzyl)-N-methylimmonium iodide in the presence of
     4-dimethylaminopyridine in THF at room temperature for 24 h to give, after
     workup and crystallization from MeCN, I acetonitrile solvate. Crystallization
of I
     acetonitrile solvate from aqueous MeOH gave I hemihydrate.
IT   **505082-69-9P**
     RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN
     (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study);
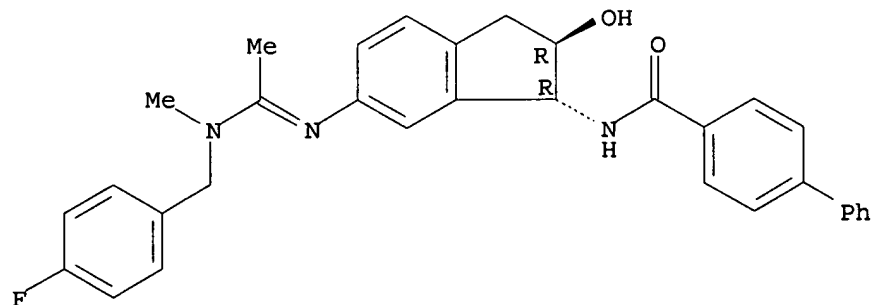   PREP (Preparation); USES (Uses)
         (preparation of biphenylcarboxylic acid [[[(fluorobenzyl)methylamino]ethylid
         eneamino]hydroxyindanyl]amide hemihydrate as selective muscarinic
         agonist for treating disorders associated with muscarinic receptors)
RN   505082-69-9 CAPLUS
CN   [1,1'-Biphenyl]-4-carboxamide, N-[(1R,2R)-6-[[1-[[(4-
     fluorophenyl)methyl]methylamino]ethylidene]amino]-2,3-dihydro-2-hydroxy-1H-
     inden-1-yl]- (9CI) (CA INDEX NAME)

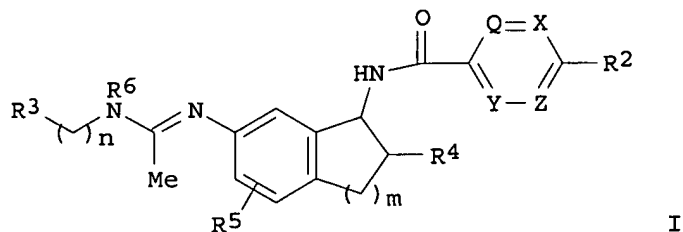Absolute stereochemistry.
Double bond geometry unknown.

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5   ANSWER 2 OF 2   CAPLUS   COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:261802   CAPLUS
DOCUMENT NUMBER: 138:287411
TITLE: Preparation of aminoethylideneaminoindanylamides as M1
                            muscarinic agonists
INVENTOR(S):   Allen, Jennifer Rebecca; Hitchcock, Stephen Andrew;
                            Liu, Bin; Turner, William Wilson, Jr.; Jamison, James
                            Andrew
PATENT ASSIGNEE(S):   Eli Lilly and Company, USA
SOURCE: PCT Int. Appl., 66 pp.
                            CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

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        PATENT NO.          KIND   DATE        APPLICATION NO.          DATE
        -----------------   ----   --------    --------------------    --------
        WO 2003027061       A2     20030403    WO 2002-US25969         20020909
        WO 2003027061       A3     20030731
            W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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                GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
                LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
                PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
                UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
            RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
                KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
                FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF,
                CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
        CA 2461218          AA     20030403    CA 2002-2461218         20020909
        EP 1436249          A2     20040714    EP 2002-799555          20020909
            R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
                IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
        BR 2002012353       A      20040727    BR 2002-12353           20020909
        CN 1556788          A      20041222    CN 2002-818550          20020909
        JP 2005503433       T2     20050203    JP 2003-530652          20020909
        US 2004242584       A1     20041202    US 2004-488519          20040303
        NO 2004001107       A      20040315    NO 2004-1107            20040315
        ZA 2004002191       A      20050511    ZA 2004-2191            20040318
PRIORITY APPLN. INFO.:                         US 2001-324141P     P   20010921
                                               WO 2002-US25969     W   20020909
```

OTHER SOURCE(S):   MARPAT 138:287411
GI

                                            I

AB   Title compds. [I; Q, X, Y, Z = CR1, N; ≤2 of Q, X, Y, Z = N;

≥2 of Q, X, Y, Z = CH; or Y, Z = CH, QX = S; R1 = H, halo, alkoxy,
alkyl; R2 = halo, alkoxy, alkyl, cyaloalkyl, cyano, CF3, (substituted)
pyridinyl, thienyl, Ph, pyrrolyl; R3 = (substituted) Ph, naphthyl,
heteroaryl, benzodioxolyl; R4 = H, OH, F; R5 = H, halo, alkoxy, alkyl; R6
= H, Me; m = 1, 2; n = 1-3], were prepared for treatment of schizophrenia,
Alzheimer's disease, and cognitive disorders (no data). Thus,
biphenyl-4-carboxylic acid (R)-(6-amino-2(R)-hydroxyindan-1-yl)amide
(preparation given), 1-methylthio-1-methyl-N-(4-fluorobenzyl)-N-methylimmonium
iodide (preparation given) and 4-dimethylaminopyridine were stirred together in
THF for 24 h to give biphenyl-4-carboxylic acid (R)-[6-[1-[(4-
fluorobenzyl)methylamino]ethylideneamino]-2(R)-hydroxyindan-1-yl]amide.

IT   **505082-69-9P**
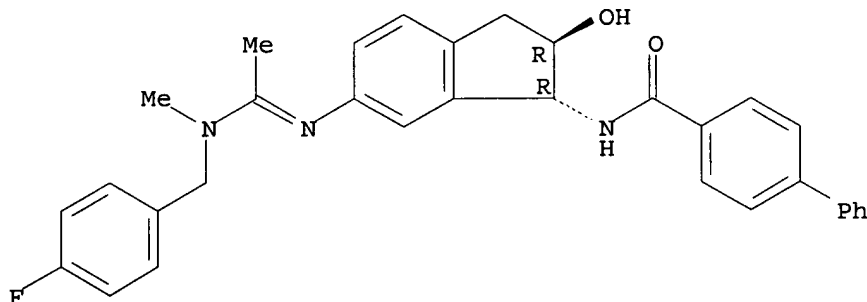   RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
      (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
      (Uses)
          (claimed compound; preparation of aminoethylideneaminoindanylamides as
          muscarinic agonists)
RN   505082-69-9 CAPLUS
CN   [1,1'-Biphenyl]-4-carboxamide, N-[(1R,2R)-6-[[1-[[(4-
      fluorophenyl)methyl]methylamino]ethylidene]amino]-2,3-dihydro-2-hydroxy-1H-
      inden-1-yl]- (9CI)   (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

=> log y
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                    ENTRY   SESSION
FULL ESTIMATED COST   11.09   67.84

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE   TOTAL
                                                    ENTRY   SESSION
CA SUBSCRIBER PRICE   -1.50   -1.50

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